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EXAMINER

CHOJNACKI, MELLISSA M

ART UNIT	PAPER NUMBER
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2164

DATE MAILED: 12/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/017,750

Applicant(s)

KESTER.ET AL.

Examiner

Melissa M Chojnacki

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-103 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-103 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


SAM RIMELL
PRIMARY EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 5/02,9/03,4-7/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

1. The arrangement of the disclosed application does not conform with 37 CFR 1.77(b).

Section headings appear in lowercase and are underlined throughout the disclosed specification.

Section headings should not be underlined and should appear in UPPERCASE.

Appropriate corrections are required according to the guidelines provided below:

2. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC (See 37 CFR 1.52(e)(5) and MPEP 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text are permitted to be submitted on compact discs.) or
REFERENCE TO A "MICROFICHE APPENDIX" (See MPEP § 608.05(a). "Microfiche Appendices" were accepted by the Office until March 1, 2001.)
- (e) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (f) BRIEF SUMMARY OF THE INVENTION.
- (g) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (h) DETAILED DESCRIPTION OF THE INVENTION.

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- (i) CLAIM OR CLAIMS (commencing on a separate sheet).
- (j) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (k) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1-66, 72-77, 81-84, 90-91 and 94-103 are rejected under 35 U.S.C. 102(e) as being anticipated by Shannon (U.S. Patent No. 6,233,618).

As to claim 1, Shannon a system for collecting identifiers for updating a filtering system which controls access to Internet websites/pages between a local area network and an Internet (See abstract; column 15, lines 38-63), comprising:

a workstation configured for a user to send an identifier to request an Internet website/page (See abstract; column 15, lines 38-63);

an Internet gateway system coupled to the workstation and configured to receive the identifier and to allow or deny access to the Internet website/page associated with the identifier (See abstract; column 5, lines 34-44; column 6, lines 5-15; column 13, lines 19-51);

a master database of identifiers along with one or more categories associated with each identifier (See abstract; column 15, lines 38-63);

a filter system coupled to the Internet gateway system and configured to receive the identifier from the Internet gateway system (See abstract; column 3, lines 40-45; column 5, lines 51-67; column 6, lines 1-3), determine whether the identifier is in the master database, send the identifier to a database factory if the identifier is not in the master database, and apply one or more rules to one or more categories that are associated with the identifier, wherein the one or more categories are received from the database factory (See column 15, lines 38-63); and

a database factory configured to receive the identifier from the filter system if the identifier was not in the master database, determine whether the identifier was previously categorized by the database factory, if the identifier was not previously categorized, determine the one or more categories to associate with the identifier and provide the one or more categories to the filter system, else provide the one or more categories that were previously associated with the identifier (See abstract; column 10, lines 7-23; column 15, lines 38-63).

As to claim 2, Shannon, teaches wherein the identifier is in the master database and is associated with the one or more categories (See abstract; column 4, lines 38-43).

As to claims 3, 34 and 43, Shannon, teaches wherein the filter system is further configured to pre-filter the identifier and/or the Internet website/page associated with the identifier for a data characteristic that is indicative of the one or more categories, and

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associating one or more indicators with the identifier (See column 4, lines 6-26; column 8, lines 49-67; column 13, lines 16-18); pre-filtering the identifier and/or website/page associated with the identifier for data characteristics that are indicative of the one or more categories; and associating one or more indicators with the identifier (See column 4, lines 6-26; column 8, lines 49-67; column 13, lines 16-18; column 15, lines 38-63); pre-filtering the identifier and/or website/page associated with the identifier for data characteristics that are indicative of one or more categories; determining whether data characteristics were found during the pre-filtering; and if data characteristics were found, associating one or more indicators with the identifier in the uncategorized database (See column 4, lines 6-26; column 8, lines 49-67; column 13, lines 16-18; column 15, lines 38-63).

As to claims 4 and 35, Shannon, teaches wherein pre-filtering can be performed on text strings, graphics, and audio that are associated with the identifier and/or the Internet website/page (See abstract; column 1, lines 23-26).

As to claims 5 and 36, Shannon, teaches wherein the one or more indicators can include a category flag (See column 4, lines 6-26; column 8, lines 49-67; column 13, lines 16-18).

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As to claims 6 and 37, Shannon, teaches wherein the filter system uses the one or more indicators to screen the identifier prior to sending the identifier to the database factory (See column 4, lines 6-26; column 8, lines 49-67; column 13, lines 16-18).

As to claim 7, Shannon, teaches wherein the Internet gateway system comprises:

a firewall module configured to provide an electronic boundary between the workstation and the Internet (See Shannon, abstract; column 3, lines 40-45; column 5, lines 51-67; column 6, lines 1-3); and a router module configured to find a best path from the firewall module to the Internet website/page associated with the identifier (See Shannon, abstract; column 3, lines 40-45; column 5, lines 51-67; column 6, lines 1-3).

As to claim 8, Shannon teaches wherein the filter system comprises:

a management module configured to provide an interface for a system administrator to select the one or more rules that are applied to the one or more categories associated with the identifier (See column 8, lines 13-23); an uncategorized database configured to store the identifier if the identifier is not in the master database (See column 10, lines 16-23); and an upload/download manager module configured to send the stored identifier to the database factory and to receive the one or more categories from the database factory (See abstract; column 4, lines 38-43).

As to claims 9 and 28, Shannon teaches wherein the uncategorized database includes a request frequency that is associated with the identifier and indicates the frequency of requests for the identifier in the uncategorized database (See abstract; column 10, lines 16-23; column 11, lines 11-15; column 17, lines 38-40); wherein the uncategorized database further includes additional data associated with the identifier (See abstract; column 10, lines 16-23; column 11, lines 11-15; column 17, lines 38-40).

As to claims 10 and 60, Shannon teaches wherein the upload/download manager module is configured to send the request frequency from the uncategorized database to the database factory (See abstract; column 10, lines 16-23; column 11, lines 11-15; column 17, lines 38-40); uploading additional data associated with the uncategorized identifiers to the database factory (See abstract; column 10, lines 16-23; column 11, lines 11-15; column 17, lines 38-40).

As to claims 11, 54 and 58, Shannon teaches wherein the master database includes a request frequency that is associated with the identifier and indicates the frequency of requests for the identifier in the master database (See abstract; column 15, lines 38-63); wherein the master database further includes the master database request frequency (See abstract; column 15, lines 38-63).

As to claims 12 and 83, Shannon teaches wherein the upload/download manager module is configured to send the request frequency from the master database to the

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database factory; receiving at the database factory a master database request frequency which indicates the frequency that the categorized identifier was requested at the filter system (See abstract; column 9, lines 25-43; column 15, lines 38-63).

As to claims 13, 26 and 44, Shannon, teaches wherein the one or more rules include blocking access to the Internet website/page based on the one or categories associated with the identifier and the user (See column 6, lines 5-15; column 8, lines 2-12; column 14, lines 26-41; column 18, lines 25-27).

As to claims 14, 27 and 45, Shannon, teaches wherein the one or more rules include allowing access to the Internet website/page based on the one or categories associated with the identifier and the user (See column 6, lines 5-15; column 8, lines 2-12; column 14, lines 26-41; column 18, lines 25-27).

As to claim 15, Shannon teaches wherein the database factory comprises:
an upload/download module configured to receive the identifier from the filter system and provide the one or more categories to the filter system (See abstract; column 4, lines 38-43);

an identifier processing module configured to receive the identifier from the upload/download module and determine whether the identifier has been previously categorized by the database factory (See column 10, lines 7-23);

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a categorization system module configured to categorize the identifier if not previously categorized by the database factory (See abstract; column 6, lines 29-47); and

a database of categorized identifiers configured to store the identifier and the one or more categories (See abstract; column 4, lines 38-43).

As to claims 16 and 103, Shannon teaches wherein the upload/download module is configured to receive a request frequency from the filter system to prioritize the identifier (See abstract; column 27-31; column 16, lines 53-60); wherein the database factory is configured to receive the request frequency to prioritize the received identifiers (See abstract; column 27-31; column 16, lines 53-60).

As to claim 17, Shannon teaches wherein the request frequency is associated with the identifier and indicates the frequency of requests for the identifier in the uncategorized database (See abstract; column 27-31; column 16, lines 53-60).

As to claim 18, Shannon teaches wherein the request frequency is associated with the identifier and indicates the frequency of requests for the identifier in the master database (See abstract; column 9, lines 27-31).

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As to claims 19, 38, 46, 94 and 99 Shannon, as modified, teaches wherein the identifier is a uniform resource locator (URL) (See Shannon, abstract, column 13, lines 11-19).

As to claims 20, 39, 47, 95 and 100 Shannon, teaches wherein the identifier is an Internet Protocol (I.P.) address (See Shannon, abstract; column 16, lines 51-52).

As to claims 21, 40, 48, 96 and 101 Shannon, teaches wherein the identifier is a domain name (See Shannon, abstract; column 10, lines 36-40).

As to claim 22, Shannon, teaches a second filter system; and a second Internet gateway system coupled to the second filter system and the database factory (See Shannon, abstract; column 3, lines 36-45, lines 60-63; column 4, lines 6-18).

As to claims 23, 33 and 84 Shannon, teaches wherein the identifier processing module is further configured to merge and sort the identifier and a second identifier received from the second Internet gateway system; merging and sorting the uncategorized database based on each identifier and the additional data associated with each identifier; merging and sorting the identifier and a second identifier received from a second filter system (See abstract; column 13, lines 52-65).

As to claim 24, Shannon teaches a method for adapting a filter system which controls access to Internet sites (See abstract), the method comprising:

receiving a request from a user in the form of an identifier to access a website/page (See abstract; column 1, lines 12-26; column 15, lines 38-63);

determining whether the identifier is in a master database of categorized identifiers and one or more categories associated with the identifier (See abstract; column 15, lines 38-63);

if the identifier is not in the master database, determining whether the identifier is in an uncategorized database, else applying one or more rules to the one or more categories associated with the identifier (See abstract; column 4, lines 32-43; column 10, lines 7-23);

if the identifier is not in the uncategorized database, posting the identifier to the uncategorized database, else updating an uncategorized database request frequency in the uncategorized database that is associated with the identifier (See abstract; column 4, lines 32-43; column 10, lines 7-23; column 11, lines 11-40; column 17, lines 34-40); uploading the uncategorized database to a database factory (See abstract; column 4, lines 32-43; column 10, lines 7-23; column 11, lines 11-40);

determining whether each identifier has been previously categorized by the database factory (See abstract; column 4, lines 32-43; column 10, lines 7-23);

for each identifier that was not previously categorized, categorizing each identifier and/or a website/page associated with the identifier to select one or more

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categories to associated with each identifier (See abstract; column 10, lines 7-23; column 15, lines 38-63); and

posting each identifier along with its selected one or more categories into a database of categorized sites (See abstract; column 11, lines 16-40; column 15, lines 38-63); and

downloading the database of categorized sites to the filter system for incorporation into the master database (See abstract; column 3, lines 40-45; column 5, lines 51-67; column 6, lines 1-3).

As to claims 25 and 42, Shannon, teaches updating a master database request frequency in the master database if the identifier is in the master database (See Shannon, abstract; column 3, lines 60-67; column 4, lines 1-5, lines 44-51) and uploading the master database request frequency and the associated identifier to the database factory (See abstract; column 15, lines 38-63; column 18, lines 28-30).

As to claims 29 and 61, Shannon, teaches wherein the additional data includes a request frequency (See column 4, lines 27-31).

As to claims 30, 49 and 62, Shannon, teaches wherein the additional data includes an indicator (See column 4, lines 6-26; column 8, lines 49-67; column 13, lines 16-18); wherein the uncategorized database further includes additional data associated

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with the identifier (See abstract; column 4, lines 32-43; column 10, lines 7-23; column 11, lines 11-40; column 17, lines 34-40).

As to claims 31, 50 and 63, Shannon, teaches wherein the additional data includes a trace ID (See column 15, lines 38-63).

As to claims 32, 51 and 64, Shannon, teaches wherein the additional data includes a primary language used by the filter system (See abstract; column 10, lines 46-51).

As to claims 41, Shannon, teaches a method for collecting collection data for updating a filtering system which controls access to Internet sites (See abstract), the method comprising:

receiving a request from a user in the form of an identifier to access a website/page (See abstract; column 1, lines 12-26; column 15, lines 38-63);

determining whether the identifier is stored in a master database of categorized identifiers (See abstract; column 15, lines 38-63);

if the identifier is stored, recalling a category that is associated with the identifier and applying a rule to the identifier that is associated with the category (See abstract; column 4, lines 32-43; column 10, lines 7-23);

if the identifier is not stored, determining whether the identifier is stored in an

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uncategorized database (See abstract; column 4, lines 32-43; column 10, lines 7-23; column 11, lines 11-40; column 17, lines 34-40); and

if the identifier is not stored in the uncategorized database, posting the identifier to the uncategorized database, else updating an uncategorized database request frequency associated with the identifier (See abstract; column 3, lines 40-45; column 5, lines 51-67; column 6, lines 1-3; column 11, lines 16-40; column 15, lines 38-63).

As to claim 52, Shannon, teaches wherein the additional data includes the uncategorized database request frequency (See abstract; column 10, lines 16-23; column 11, lines 11-15; column 17, lines 38-40).

As to claim 53, Shannon, teaches wherein the master database further includes additional data associated with the identifier (See abstract; column 10, lines 16-23; column 11, lines 11-15; column 17, lines 38-40).

As to claim 55, Shannon, teaches a method for processing and uploading identifiers for updating a filtering system which controls access to Internet sites, the method (See abstract; column 15, lines 38-63) comprising:

requesting a download of identifiers and their associated categories from a database factory (See abstract; column 1, lines 12-26; column 15, lines 38-63);

determining whether a database of identifiers are to be uploaded to the database factory (See abstract; column 15, lines 38-63);

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if the database of identifiers are to be uploaded to the database factory, retrieving identifiers from the database of identifiers (See abstract; column 4, lines 32-43; column 10, lines 7-23); and

uploading the database of identifiers to the database factory (See abstract; column 3, lines 40-45; column 5, lines 51-67; column 6, lines 1-3; column 10, lines 7-23; column 15, lines 38-63).

As to claim 56, Shannon wherein the database of identifiers includes an uncategorized database of identifiers (See abstract; column 4, lines 38-43; column 11, lines 11-15).

As to claim 57, Shannon, teaches wherein the database of identifiers includes a master database of identifiers (See abstract; column 9, lines 15-24).

As to claim 59, Shannon, teaches determining whether one or more indicators, which relate to one or more categories, are associated with the uncategorized identifiers; and referring to the one or more, indicators to prioritize the uncategorized identifiers prior to uploading the uncategorized database of identifiers to the database factory (See column 4, lines 6-26; column 8, lines 49-67; column 13, lines 16-18).

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As to claim 65, Shannon teaches processing the uncategorized identifier and the additional data prior to uploading to the database factory (See abstract; column 4, lines 38-43; column 11, lines 11-15).

As to claim 66, Shannon teaches formatting the uncategorized identifiers and the additional data using a markup language (See abstract; column 10, lines 46-51); and limiting the size of an upload file, which includes the uncategorized identifiers and the additional data (See abstract; column 4, lines 38-43; column 11, lines 11-15).

As to claim 72, Shannon teaches wherein uploading the database of identifiers is periodic (See abstract; column 3, lines 60-67; column 4, lines 1-5; column 9, lines 25-43).

As to claim 73, Shannon teaches wherein uploading the database of identifiers is Random (See abstract; column 3, lines 60-67; column 4, lines 1-5; column 9, lines 25-43).

As to claim 74, Shannon teaches wherein uploading the database of identifiers is at a set time (See abstract; column 16, lines 13-14).

As to claim 75, Shannon teaches wherein uploading the database of identifiers is in response to polling by the database factory (See abstract; column 16, lines 13-14).

As to claim 76, Shannon teaches a method for processing identifiers for updating a filtering system which controls access to Internet sites (See abstract), the method comprising:

receiving identifiers at a database factory from a filter system (See abstract; column 1, lines 12-26; column 15, lines 38-63);

determining whether each of the identifiers has been previously categorized (See abstract; column 15, lines 38-63);

for each identifier that was not previously categorized by the database factory, categorizing each of the identifiers, a website/page associated with the identifier, and/or additional data associated with the identifier, and associating output with each identifier (See abstract; column 10, lines 7-23; column 15, lines 38-63); and posting the identifier along with the associated output into a database of categorized sites (See abstract; column 11, lines 16-40; column 15, lines 38-63; column 15, lines 38-63).

As to claim 77, Shannon teaches wherein the output includes one or more categories (See abstract; column 4, lines 38-43).

As to claim 81, Shannon teaches wherein the identifiers include an uncategorized identifier (See column 10, lines 16-23).

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As to claim 82, Shannon teaches wherein the identifiers include a categorized identifier (See abstract; column 15, lines 38-63).

As to claim 90, Shannon, teaches further comprising processing the identifiers and the additional data (See abstract; column 10, lines 7-23).

As to claim 91, Shannon, teaches wherein processing includes reassembling the identifiers and the additional data using a markup language (See abstract; column 10, lines 46-51).

As to claim 97, Shannon, teaches a system for collecting identifiers for updating a filtering system which controls access to a wide area network (WAN) of websites/pages (See abstract; column 5, lines 6-20), comprising:

a master database including one or more identifiers (See abstract; column 9, lines 15-24), and one or more categories associated with each of the one or more identifiers (See column 4, lines 38-43); an access system coupled to the WAN and configured to send an identifier request if the identifier request is not in the master database (See abstract; column 5, lines 6-20, 34-44; column 9, lines 15-24); and a database factory configured to receive the identifier request, select one or more categories to associate with the identifier request if the one or more categories were not previously associated with the identifier, and provide the selected one or more

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categories to the master database (See abstract; column 9, lines 15-24; column 15, lines 38-63).

As to claim 98, Shannon, teaches wherein the access system comprises an Internet gateway system coupled to a filter system (See abstract; column 6, lines 5-15; column 14, lines 60-67; column 15, lines 1-4).

As to claim 102, Shannon, teaches wherein the master database includes a request frequency that is associated with the identifier and indicative of the frequency of requests for the identifier at the filter system (See abstract; column 14, lines 60-67; column 15, lines 1-11).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 80, 85-89 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shannon (U.S. Patent No. 6,233,618), in further view Smith et al. (U.S. Patent Application Publication No. 2004/0019656).

As to claim 80, Shannon does not teach wherein categorizing each of the identifiers is performed by an automated classification engine.

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Smith et al. teaches a system and method for monitoring global network activity (See abstract) in which he teaches wherein categorizing each of the identifiers is performed by an automated classification engine (See paragraph 009; paragraph 0055-0056).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified Shannon, to include wherein categorizing each of the identifiers is performed by an automated classification engine.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Shannon, by the teachings of Smith et al. because wherein categorizing each of the identifiers is performed by an automated classification engine would help be a scalable capacity to track and record Internet content requests with the ability to authorize, in real time, web pages according their content and a subject's selected privileges (See Smith et al., paragraph 006).

As to claim 85, Shannon, teaches further comprising determining whether processing of the output associated with the uncategorized identifier is performed (See column 10, lines 16 -23; column 11, lines 11-15).

As to claim 86, Shannon, teaches wherein the processing of the output includes automatically posts the uncategorized identifier to the master database (See Shannon, abstract; column 9, lines 15-24; column 10, lines 16 -23; column 11, lines 11-15).

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As to claim 87, Shannon, teaches wherein the processing of the output includes verifying that the output associated with the uncategorized identifier is correct (See Shannon, column 10, lines 16 -23; column 11, lines 11-15).

As to claim 88, Shannon, teaches wherein verifying is performed by human review (See Shannon, abstract; column 16, lines 53-60).

As to claim 89, Shannon, teaches further comprising providing feedback from the human review to the automated classification engine (See Shannon, abstract; column 16, lines 53-60).

7. Claims 67-71, 78-79 and 92-93 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shannon (U.S. Patent No. 6,233,618), in view of Omoigui (U.S. Patent Application No. 2003/0051026).

As to claim 67, Shannon does not teach encrypting the uncategorized identifiers and the additional data; and compressing the uncategorized identifiers and the additional data.

Omoigui teaches a system and method for knowledge retrieval, management, delivery and presentation (See abstract), in which he teaches encrypting the uncategorized identifiers and the additional data (See paragraph 0251; paragraph 0308); and

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compressing the uncategorized identifiers and the additional data (See (See paragraph 0251).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to have modified Shannon, to include encrypting the uncategorized identifiers and the additional data; and compressing the uncategorized identifiers and the additional data.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Shannon, by the teachings of Omoigui because encrypting the uncategorized identifiers and the additional data; and compressing the uncategorized identifiers and the additional data would provide a new and comprehensive system and method of knowledge retrieval, management and delivery (See Omoigui, paragraph 0070).

As to claims 68 and 93 Shannon as modified, teaches wherein encrypting is performed using a data encryption standard (DES); wherein decrypting is performed using a data encryption standard (DES) (See Omoigui, paragraph 0251).

As to claims 19, 38, 46, 69, 94 and 99 Shannon, as modified, teaches wherein the uncategorized identifiers are uniform resource locators (URLs) (See Shannon, abstract, column 13, lines 11-19).

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As to claims 20, 39, 47, 70, 95 and 100 Shannon, teaches wherein the uncategorized identifiers are Internet Protocol (I.P.) addresses (See Shannon, abstract; column 16, lines 51-52).

As to claims 21, 40, 48, 71, 96 and 101 Shannon, teaches wherein the uncategorized identifiers are domain names (See Shannon, abstract; column 10, lines 36-40).

As to claim 78, Shannon as modified, teaches wherein the output includes a statistical probability (See Omoigui, abstract; paragraph 0499, paragraph 0530; paragraph 1228).

As to claim 79, Shannon as modified, teaches wherein the output includes a multidimensional vector (See Omoigui, abstract; paragraph 0290).

As to claim 92, Shannon as modified, teaches further comprising: decrypting the identifiers and the additional data; and decompressing the identifiers and the additional data (See Omoigui, abstract; paragraph 0251; paragraph 0308).

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Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mellissa M Chojnacki whose telephone number is (571) 272-4076. The examiner can normally be reached on 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (571) 272-4083. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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SAM RIMELL
PRIMARY EXAMINER

MMC
December 9, 2004